

## **APPARATUS AND METHODS FOR SEPARATING COMPONENTS OF PARTICULATE SUSPENSION**

### Abstract

5 An optical bio-disc used in separating components of particulate  
suspension has separation, fluid metering, and fluid assay chambers. The  
separation chamber contains a particulate suspension having a fluid component  
and a particulate matter component. The fluid metering chamber communicates  
with the separation chamber by a first conduit that has an entry point at the  
separation chamber. The entry point is accessible to the fluid component when  
the bio-disc is rotated causing separation of the fluid component and the  
particulate matter component in the separation chamber. The fluid assay  
chamber communicates with the fluid metering chamber by a second conduit.